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1. Document ID: JP 63312372 A, JP 2516218 B2

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File: DWPI

Dec 20, 1988

DERWENT-ACC-NO: 1989-037287

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TITLE: Ink jet recording ink compsn. - has specific relationship between dynamic surface tension and viscosity

PRIORITY-DATA: 1987JP-0146929 (June 15, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 63312372 A</u>	December 20, 1988		008	
<u>JP 2516218 B2</u>	July 24, 1996		007	C09D011/00

INT-CL (IPC): C09D 11/00

ABSTRACTED-PUB-NO: JP 63312372A

BASIC-ABSTRACT:

Ink compsn. meets the condition of equation (I). Recording is characterised by marking a paper having Stechigt sizing degree of more than 10 second by the ink compsn.

USE/ADVANTAGE - The ink compsn. is useful for ink jet recording. The compsn. exhibits high drying up property even if paper having high sizing degree e.g. more than 10 sec. Stechigt sizing degree, and gives clear and spread-free markings.

In an example, an ink jet recording ink was prep'd. by dissolving, by wt.%, 'C.I. Black 19' 12; glycerine 7, diethylene glycol 15; diethylene glycol monobutyl ether 2; sodium sorbate 0.2 and water at 50 deg.C and then filtered with 1 micron microfilter. The ink had viscosity of 2.2cp (at room temp.), dynamic surface tension of 43.5 dyne/cm (at room temp.) and value of equation (I) of 45.7.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Section	Abstract	Claims	KWD	Drawn
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